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REDI Technologies, May 2015 – current
Tech Lead / Manager
Hands on Tech Lead/Manager responsible for leading REDI Trading Platform Front End team.
- Manage a group of developers responsible for support and enhancement of existing legacy C++ trading platform while gradually refactoring and converting it to the modern web based technology.
- Change and influence the group culture to deliver higher quality code on time; provided a roadmap of measurable objectives for every release.
- Tackle challenging working environment consisting of 20 year old code base with 1 mln lines of undocumented code: C++, MFC, COM/OLE, C#, WinForms, SQL Server 2012. Responsible for improving performance, reducing code base, introduced application monitoring.
- Work closely with Product Management on product direction and future feature set
- Certified for AWS Solution Architect Associate and Developer Associate programs

MongoDB, NY, March 2014 – May 2015
Tech Lead / Manager
Hands on Tech Lead/Manager. Responsibilities include:
- Managing a group of 9 MongoDB Engineers optimizing customer application performance and solving scalability issues
- Providing consulting on application and MongoDB schema design
- Provided troubleshooting for replica and shard sets, query performance and execution plans, log files debugging
- Resolving customer production outages
- Used Amazon AWS to setup dev environments to duplicate customer problems
- Providing expert product knowledge to MongoDB "paid subscription" customer base.
- Supported MongoDB driver connectivity from various languages: Javascript, Python, C#, Java
- Gained hands-on knowledge of Node.js and Javascript

Direct Edge Stock Exchange , Jersey City, Dec 2008 – March 2014
Head of Software Development
After being purchased by DirectEdge, had continued to improve ISE/DirectEdge stock exchange platform while navigating increasingly challenging regulatory environment:
- Provided technical leadership and project management for a multi-disciplinary team of business analysts, software developers, and QA
- Responsible for developing and enforcing software development and delivery methodologies. Introduced and implemented full Agile SDLC including Subversion, MSBuild and CruiseControl automated builds, TRAC bug tracking system, NUNIT testing, small iterative software deliveries
- As certified scrum master for multiple in-house cross discipline agile teams, responsible for project planning and execution including estimating, scheduling, implementing and delivering on committed schedules
- Reporting to the CTO, served as a technical liason between business/product management and software development. Translated business requirements into technical specifications, architecture and measurable deliverables. Worked with business on prioritizing and organizing the work backlog.
- Served as a technical mentor to the team; staff hiring and daily supervision of the team (16 developers); performed code reviews, suggested simpler approaches and removed development roadblocks; solved scalability issues, monitored system performance, identified and fixed code "hot spots" throughout the project
- Improved platform performance to deliver 95 percentile response time of 190 microseconds and capacity of 1 million messages/sec using low latency and garbage collection avoidance .NET techniques
- Refactored and improved latency of market data multicast data feeds (SIAC/NASDAQ)by x25 times
- Knowledge of equities trading, compliance and DTCC clearing processes

Every phase of the project was delivered on time. .NET 4.0, C#, multithreading, Tibco/29West guaranteed multicast and IBM MQ messaging middleware, Windows and Web Services development,low latency programming, FIX protocol, WinForms, SQL Server 2005/2008

ISE Stock Exchange, NYC, March 2005 – Dec 2008
Director of Application Development

Hands on technical lead/technical manager responsible for design, implementation and delivery of ISE fully displayed RegNMS compliant stock exchange platform based on .NET/C#/Tibco technologies. The project was developed from scratch with a small team of dedicated developers using Agile methodologies under very aggressive schedules and delivered on time. Responsible for all aspects of the project from the ground up:

- Build next-generation engineering team through hiring and team development
- Work closely with the engineers to architect and develop the best technical design and approach
- Communicate to senior stakeholders status of development projects, team capabilities, and operations
- Provide guidance and decision making for product development and software engineering while maintaining sensitivity to time constraints and business needs. Worked closely with the business to translate product functionality requirements into technical design and implementation
- Solved scalability issues, wrote .NET/C# code, performed technical troubleshooting and debugging, code reviews, code profiling and modifications to minimize .NET garbage collection.
- Supported and managed daily interaction with Computer Operations, Market Operations, Member Acceptance Testing, Legal and Compliance; provided hands on daily support of production as needed

Hands on coding with .NET 3.5, C#, multithreading, multicast socket programming, Tibco messaging middleware, Windows and Web Services development,low latency programming, FIX protocol, WinForms, ADO.NET and stored procedure development with SQL Server 2005/2008

Microsoft Financial Services Group, NY, NY March 2000 – March 2005
Senior Software Engineer
As a member of Microsoft Consulting Services, performed a broad range of various technical duties for numerous corporate clients in the financial industry:

- Provided Microsoft leading edge technologies expertise to Microsoft clients: ASP.NET, ADO.NET, Web Services, C#, COM+, XML schema design, COM+/ATL, custom code instrumentation.
- Provided in-depth code reviews to assess code maintainability, improve performance and educate on Microsoft "best coding practices"
- Performed new architecture design and existing architecture review. Assessed system scalability and provided detailed analysis for future growth.
- As a project lead working with the client, provided knowledge transfer of Microsoft technologies to the client's staff.
- Assisted corporate clients in migrating to .NET by providing architectural guidance and technology expertise in .NET technologies
- Developed prototypes and proof of concept work using latest Microsoft technologies: ASP.NET, ADO.NET, Web Services, WinForms

Merrill Lynch Global Program Trading Group, NY, NY Feb 1999 – March 2000
C++ Developer/consultant
Responsible for the support and enhancement of a multi-threaded Application Server used to provide central Sybase connectivity for Merrill Lynch Global Portfolio Trading desks located around the world. Functionality supported includes Order Allocation, New Order List, Basket Busts, etc. Provided ongoing trading floor support for the Global Portfolio Trading desk.
VisualC++/COM/ATL/DBLIB/multi-threading/VB5/RDO

Lehman Brothers Equity Derivatives Technology Group, NY, NY Feb 1996 – Feb 1999
C++ Developer/consultant
Team member responsible for the design, development and implementation of 3-tier architecture applications in Windows NT/Unix environments. Implemented Portfolio Loader, Execution Order Entry and Retrieval used by the Lehman Program Trading team. Used Winsock (TCP/IP) to provide communication with Unix servers. Ported Equity Derivatives financial library from SunOS to Windows NT andexposed it as XLL DLL to Excel. Worked with traders and provided application support on the trading floor. Visual C++/TCP_IP/Objective Grid/ATL/COM

Bankers Trust, NY, NY   July 1994 - Feb 1996
C++ Developer/consultant
A member of a 6 person development team responsible for the design and development of Windows NT 3.51 based Client/Server Debugger used for Sybase Tabular Data stream analysis. The program incorporated a full featured TCP/IP and Novell IPX LAN analyzer with capabilities of displaying application layer messages as API calls. Personally responsible for the design and implementation of the user interface and various Windows OLE COM objects. Implemented custom and standard OLE interfaces.
Visual C++, Windows 3.1 SDK

EDUCATION:
Polytechnic Institute of New York, Brooklyn, NY
Bachelor of Computer Science